Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/23/2018 11:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123841	-1	1.60	123787	1.51
Blue	F	SSC	125000	122486	-3	3.54	122938	3.34
Blue	E	FITC	23615	22562	-5	2.79	1007	10.96
Blue	D	PE	26739	26355	-2	2.23	948	10.59
Blue	B	PerCP-Cy5-5	48339	47158	-3	3.72	1362	18.13
Blue	A	PE-Cy7	45021	44425	-2	5.46	697	37.71
Red	C	APC	53064	51434	-4	2.80	2933	9.60
Red	A	APC-Cy7	57175	56320	-2	2.78	1202	11.38
Violet	B	V450	14728	14220	-4	4.41	679	9.42
Violet	A	V500	58621	57126	-3	4.19	2524	6.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19228	2.71	616	2	N/A	N/A	Pass
Blue	F	SSC	60731	1.51	563	17	N/A	N/A	Pass
Blue	E	FITC	112	41.08	551	3	0.0182	149	Pass
Blue	D	PE	207	31.01	544	8	0.1354	230	Pass
Blue	B	PerCP-Cy5-5	215	47.56	643	8	0.0086	81	Pass
Blue	A	PE-Cy7	73	134.53	702	9	0.0105	25	Pass
Red	C	APC	336	28.83	599	2	0.0200	95	Pass
Red	A	APC-Cy7	132	41.99	583	3	0.0052	1947	Pass
Violet	B	V450	82	44.82	464	-6	0.0452	2215	Pass
Violet	A	V500	182	23.41	491	-6	0.0142	499	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.58	-31.00	0.96
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	16.71	14.40 - 21.60	N/A	N/A	30.79	31.12	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9908

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments